

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/079,678**

**INPUT SET: S26223.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## SEQUENCE LISTING

(1) General Information

(i) **APPLICANT:** Alvarez, Vernon L.  
O'Mahony, Daniel J.  
Lambkin, Imelda J.  
Singleton, Judith  
Patterson, Catherine A.  
Cagney, Gerard M.  
Belinka, Benjamin A.  
Carter, John M.

ENTERED

(ii) TITLE OF THE INVENTION: RANDOM PEPTIDES THAT BIND TO GASTRO-INTESTINAL TRACT (GIT) TRANSPORT RECEPTORS AND RELATED METHODS

(iii) NUMBER OF SEQUENCES: 265

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Pennie & Edmonds LLP  
(B) STREET: 1155 Avenue of the Americas  
(C) CITY: New York  
(D) STATE: New York  
(E) COUNTRY: USA  
(F) ZIP: 10036

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette  
(B) COMPUTER: IBM Compatible  
(C) OPERATING SYSTEM: DOS  
(D) SOFTWARE: FastSEQ Version 2.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Misrock, S. Leslie  
(B) REGISTRATION NUMBER: 18,872  
(C) REFERENCE/DOCKET NUMBER: 1101-220

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 212-790-9090  
(B) TELEFAX: 212-869-9741

# 2025

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/079,678DATE: 05/29/98  
TIME: 08:08:26

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47 (C) TELEX: 66141 PENNIE  
48  
49  
50 (2) INFORMATION FOR SEQ ID NO:1:  
51  
52 (i) SEQUENCE CHARACTERISTICS:  
53 (A) LENGTH: 44 amino acids  
54 (B) TYPE: amino acid  
55 (C) STRANDEDNESS:  
56 (D) TOPOLOGY: unknown  
57  
58 (ii) MOLECULE TYPE: peptide  
59  
60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
61  
62 Arg Ser Gly Ala Tyr Glu Ser Pro Asp Gly Arg Gly Gly Arg Ser Tyr  
63 1 5 10 15  
64 Val Gly Gly Gly Gly Gly Cys Gly Asn Ile Gly Arg Lys His Asn Leu  
65 20 25 30  
66 Trp Gly Leu Arg Thr Ala Ser Pro Ala Cys Trp Asp  
67 35 40  
68  
69 (2) INFORMATION FOR SEQ ID NO:2:  
70  
71 (i) SEQUENCE CHARACTERISTICS:  
72 (A) LENGTH: 44 amino acids  
73 (B) TYPE: amino acid  
74 (C) STRANDEDNESS:  
75 (D) TOPOLOGY: unknown  
76  
77 (ii) MOLECULE TYPE: peptide  
78  
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
80  
81 Ser Pro Arg Ser Phe Trp Pro Val Val Ser Arg His Glu Ser Phe Gly  
82 1 5 10 15  
83 Ile Ser Asn Tyr Leu Gly Cys Gly Tyr Arg Thr Cys Ile Ser Gly Thr  
84 20 25 30  
85 Met Thr Lys Ser Ser Pro Ile Tyr Pro Arg His Ser  
86 35 40  
87  
88 (2) INFORMATION FOR SEQ ID NO:3:  
89  
90 (i) SEQUENCE CHARACTERISTICS:  
91 (A) LENGTH: 44 amino acids  
92 (B) TYPE: amino acid  
93 (C) STRANDEDNESS:  
94 (D) TOPOLOGY: unknown  
95  
96 (ii) MOLECULE TYPE: peptide  
97  
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
99

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100 Ser Ser Ser Ser Asp Trp Gly Gly Val Pro Gly Lys Val Val Arg Glu  
101 1 5 10 15  
102 Arg Phe Lys Gly Arg Gly Cys Gly Ile Ser Ile Thr Ser Val Leu Thr  
103 20 25 30  
104 Gly Lys Pro Asn Pro Cys Pro Glu Pro Lys Ala Ala  
105 35 40  
106

## (2) INFORMATION FOR SEQ ID NO:4:

### (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 44 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: unknown

### (ii) MOLECULE TYPE: peptide

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

118 Arg Val Gly Gln Cys Thr Asp Ser Asp Val Arg Arg Pro Trp Ala Arg  
119 1 5 10 15  
120 Ser Cys Ala His Gln Gly Cys Gly Ala Gly Thr Arg Asn Ser His Gly  
121 20 25 30  
122 Cys Ile Thr Arg Pro Leu Arg Gln Ala Ser Ala His  
123 35 40  
124  
125

## (2) INFORMATION FOR SEQ ID NO:5:

### (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 39 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: unknown

### (ii) MOLECULE TYPE: peptide

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

137 Ser His Ser Gly Gly Met Asn Arg Ala Tyr Gly Asp Val Phe Arg Glu  
138 1 5 10 15  
139 Leu Arg Asp Arg Trp Asn Ala Thr Ser His His Thr Arg Pro Thr Pro  
140 20 25 30  
141 Gln Leu Pro Arg Gly Pro Asn  
142 35  
143  
144

## (2) INFORMATION FOR SEQ ID NO:6:

### (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 41 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: unknown

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153 (ii) MOLECULE TYPE: peptide  
154  
155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
156  
157 Ser Pro Cys Gly Gly Ser Trp Gly Arg Phe Met Gln Gly Gly Leu Phe  
158 1 5 10 15  
159 Gly Gly Arg Thr Asp Gly Cys Gly Ala His Arg Asn Arg Thr Ser Ala  
160 20 25 30  
161 Ser Leu Glu Pro Pro Ser Ser Asp Tyr  
162 35 40  
163

164 (2) INFORMATION FOR SEQ ID NO:7:

165 (i) SEQUENCE CHARACTERISTICS:  
166 (A) LENGTH: 39 amino acids  
167 (B) TYPE: amino acid  
168 (C) STRANDEDNESS:  
169 (D) TOPOLOGY: unknown  
170  
171

172 (ii) MOLECULE TYPE: peptide

173 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

174  
175  
176 Arg Gly Ala Ala Asp Gln Arg Arg Gly Trp Ser Glu Asn Leu Gly Leu  
177 1 5 10 15  
178 Pro Arg Val Gly Trp Asp Ala Ile Ala His Asn Ser Tyr Thr Phe Thr  
179 20 25 30  
180 Ser Arg Arg Pro Arg Pro Pro  
181 35  
182

183 (2) INFORMATION FOR SEQ ID NO:8:

184 (i) SEQUENCE CHARACTERISTICS:  
185 (A) LENGTH: 44 amino acids  
186 (B) TYPE: amino acid  
187 (C) STRANDEDNESS:  
188 (D) TOPOLOGY: unknown  
189  
190

191 (ii) MOLECULE TYPE: peptide

192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

193  
194  
195 Ser Gly Gly Glu Val Ser Ser Trp Gly Arg Val Asn Asp Leu Cys Ala  
196 1 5 10 15  
197 Arg Val Ser Trp Thr Gly Cys Gly Thr Ala Arg Ser Ala Arg Thr Asp  
198 20 25 30  
199 Asn Lys Gly Phe Leu Pro Lys His Ser Ser Leu Arg  
200 35 40  
201

202 (2) INFORMATION FOR SEQ ID NO:9:

203 (i) SEQUENCE CHARACTERISTICS:  
204 (A) LENGTH: 44 amino acids  
205

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206             (B) TYPE: amino acid
207             (C) STRANDEDNESS:
208             (D) TOPOLOGY: unknown
209
210             (ii) MOLECULE TYPE: peptide
211
212             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
213
214 Ser Asp Ser Asp Gly Asp His Tyr Gly Leu Arg Gly Gly Val Arg Cys
215 1          5          10          15
216 Ser Leu Arg Asp Arg Gly Cys Gly Leu Ala Leu Ser Thr Val His Ala
217          20          25          30
218 Gly Pro Pro Ser Phe Tyr Pro Lys Leu Ser Ser Pro
219          35          40
220
221             (2) INFORMATION FOR SEQ ID NO:10:
222
223             (i) SEQUENCE CHARACTERISTICS:
224                 (A) LENGTH: 39 amino acids
225                 (B) TYPE: amino acid
226                 (C) STRANDEDNESS:
227                 (D) TOPOLOGY: unknown
228
229             (ii) MOLECULE TYPE: peptide
230
231             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
232
233 Arg Ser Leu Gly Asn Tyr Gly Val Thr Gly Thr Val Asp Val Thr Val
234 1          5          10          15
235 Leu Pro Met Pro Gly His Ala Asn His Leu Gly Val Ser Ser Ala Ser
236          20          25          30
237 Ser Ser Asp Pro Pro Arg Arg
238          35
239
240             (2) INFORMATION FOR SEQ ID NO:11:
241
242             (i) SEQUENCE CHARACTERISTICS:
243                 (A) LENGTH: 38 amino acids
244                 (B) TYPE: amino acid
245                 (C) STRANDEDNESS:
246                 (D) TOPOLOGY: unknown
247
248             (ii) MOLECULE TYPE: peptide
249
250             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
251
252 Arg Thr Thr Thr Ala Lys Gly Cys Leu Leu Gly Ser Phe Gly Val Leu
253 1          5          10          15
254 Ser Gly Cys Ser Phe Thr Pro Thr Ser Pro Pro Pro His Leu Gly Tyr
255          20          25          30
256 Pro Pro His Ser Val Asn
257          35
258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/079,678**

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Error

Original Text

00079678 054609  
00079678 054609